SECTION 11 82 27
WASTE COMPACTORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Packaged waste compactor for separate container.

B. Discharge containers.

1.02 RELATED REQUIREMENTS

A. Section 03 10 00 - Concrete Forming and Accessories: Placement of anchor bolts and inserts into concrete.

1.03 REFERENCE STANDARDS

A. ANSI Z245.2 - American National Standard for Stationary Compactors -- Safety Requirements for Installation, Maintenance, and Operation; 2008.

B. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum); 2008.

C. NEMA MG 1 - Motors and Generators; National Electrical Manufacturers Association; 2011.

1.04 SUBMITTALS

A. Product Data: Provide unit capacities, physical dimensions, utility requirements and locations, point loads.

B. Shop Drawings: Indicate machine location, rough-in and anchor placement dimensions and tolerances, clearances required .

C. Manufacturer's Installation Instructions: Indicate special installation requirements and any training requirements.

D. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

E. Operation Data: Include description of system operation, adjusting and testing required.

F. Maintenance Data: Identify system maintenance requirements, servicing cycles, lubrication types required and local spare part sources.

G. Warranty: Submit manufacturer warranty and ensure that forms have been completed in OWNER's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.06 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Correct defective Work within a five year period after Date of Substantial Completion.

C. Provide 1 year manufacturer warranty for material and workmanship..

PART 2 PRODUCTS

2.01 OWNER-FURNISHED PRODUCTS

A. Discharge Containers: As specified.

2.02 MANUFACTURERS

A. Basis of Design: As indicated under product article below.

B. Waste Compactors:
   1. Marathon Equipment Co; Product RAMJET RJ-250VL: www.marathonequipment.com.
      a. Finish: Factory primed and painted.
      b. Color: As selected from manufacture's standard colors.

2.03 COMPACTORS - GENERAL

A. Motors: NEMA MG 1.

B. Control Panels and Remote Equipment Enclosures: NEMA 250 Type 4 enclosures; factory finished; wall-mounted unless otherwise indicated.

C. Discharge Containers: Heavy duty steel; factory-finished for outdoor use; manufacturer's standard type unless otherwise indicated.

D. Anchors and Fasteners: Galvanized steel; where embedded in concrete, provide to concrete installer for installation.

2.04 STATIONARY COMPACTORS

A. Stationary Compactor: Heavy duty steel body, charge box, ram and compactor head configured to compress waste horizontally into removable containers; hydraulically driven ram.
   1. Waste Intake: Top, ground-fed.
   2. Power Unit: Hydraulic pump and oil reservoir; located remotely; provide hydraulic piping and electrical connections.
   3. Removable side panels that facilitate cleaning behind ram.
   4. Controls and Safeties: Fully automatic operation.
      a. "On/Off" key switch.
      b. Automatic photoelectric sensor start and stop.
      c. Emergency stop button.
      d. "Container-Full" indicator light.
      e. Magnetic door and container interlock.
      f. Container removal safety signal.
      g. Built-in container stops.

B. Discharge Container(s):
   1. Transport Mechanism: Front and Rear latch points.
   2. Size: 30 cubic yards.
   3. Provide one container per compactor.

C. Waste Conveyance: Doghouse enclosure.

D. Odor Control System: Compactor manufacturer's standard.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that anchors are correctly positioned.

3.02 INSTALLATION

A. Install unit and inlet hopper in accordance with manufacturer's instructions and with standards required by authority having jurisdiction.

B. Anchor unit securely in place.

C. Touch-up minor damaged surfaces caused during installation. Replace damaged components as directed by Architect.

D. Adjust unit mechanism to achieve specified requirements.

3.03 CLOSEOUT ACTIVITIES

A. Demonstrate and instruct OWNER on unit operation. Describe unit limitations.

END OF SECTION